



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 20] नई विल्सी, सनिवार, मई 17, 1986 (वैशाख 27, 1908)

No. 20] NEW DELHI, SATURDAY, MAY 17, 1986 (VAISAKHA 27, 1908)

इस भाग में भिन्न पृष्ठ संलग्न हो जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2

#### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

#### THE PATENT OFFICE

#### PATENTS AND DESIGNS

Calcutta, the 17th May 1986

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Patent Office, (Head Office),  
214, Acharya Jagadish Bose Rond,  
Calcutta-700 017.

Telegraphic address "PATENTS".

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or any fees required by the Patents Act, 1970 or the Patents  
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*Fees* :—The fees may either be paid in cash or may be  
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the place where the appropriate office is situated.  
(337)

## CORRIGENDUM

1. In the Gazette of India, Part III, Section 2, dated 15th February 1986, under the heading 'Applications for Patents filed in the Patent Office Branch at Todi Estates, 111rd Floor, Sun Mill Compound, Lower Parel (W), Bombay-13' on page 96,

(i) in respect of Patent Application No. 343/Bom/85 in the title of invention for "BELONGATED" read "ELONGATED".

## APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

10th April, 1986

279/Cal/86. (1) John O Ryan, (2) A Victor Farrow, (3) Jerry J Gwizdala. Method and apparatus for processing a video signal so as to prohibit the making of acceptable video tape recordings thereof.

280/Cal/86. Gustav Schade Maschinenfabrik GmbH & Co. Apparatus for conveying bulk material in silos.

281/Cal/86. Taiwan Vespa Co. Ltd. An improved air supply device for an internal combustion engine.

282/Cal/86. Trotschler GmbH & Co. Kg. Procedure and fixture for abrading fibre bales.

283/Cal/86. Adam Kovacs. Circuit arrangement for generating high voltage pulses.

11th April, 1986

284/Cal/86. Matron Radgivende Ingeniørsvirma A/S. A process for recovering chitin from materials in which chitin occurs together with or connected to proteinaceous substances.

285/Cal/86. SKW Trostberg Aktiengesellschaft. Process for prolonging the dormancy of plants or plant parts. heat steam generator.

286/Cal/86. Kraftwerk Union Aktiengesellschaft. Waste heat steam generator.

14th April, 1986

287/Cal/86. Chugai Denki Kogyo Kabushiki-Kaisha. Internal oxidizer Ag-SnO<sub>2</sub> System alloy electrical contact materials, and manufacturing method thereof.

288/Cal/86. Colette Nouvel. Improvement in the preparation of substituted bisphenols and applications of the same. (Convention dated 26th March, 1986) United Kingdom.

289/Cal/86. Veteo Offshore, Inc. Control Connector.

290/Cal/86. Chin-Wang Tsai. Fire Escape.

291/Cal/86. Electro Metallocorp Corporation. Improved composition of matter and method of preparing same.

[Divisional dated 11th February, 1983].

## APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, 111RD FLOOR, KAROL BAGH, NEW DELHI-110 005

17th March, 1986

243/Del/86. Shelby Williams Industries, Inc. "Chair with articulated flexible spring backrest".

244/Del/86. Hydris Quebec. "Method and ohmmeter for measuring very low electric resistances". (Convention date 25th June, 1985) (Canada).

245/Del/86. Aerospatiale Societe Nationale Industrielle. "A method and device for forming a hollow workpiece of complex shape by contact fiber wrapping".

246/Del/86. Colgate Palmolive Company. "Antistatic amides".

247/Del/86. Jain Die Caster Pvt. Ltd. "A lock".

18th March, 1986

248/Del/86. UOP Inc. "Curing agents in polyurethane manufacture".

249/Del/86. Kenrich Petrochemicals, Inc. "A method of catalysing a chemical reaction". [Divisional date 19th August, 1980].

250/Del/86. Urban Transportation Development Corporation Ltd. "Reaction rail". (Convention date 24th April, 1985) (Canada).

251/Del/86. Hartmann & Braun Aktiengesellschaft. "Photometer".

252/Del/86. Exxon Research and Engineering Company. "Solvent dewaxing with methyl tertiary butyl ether". [Divisional date 8th February, 1983].

19th March, 1986

253/Del/86. Morgan Construction Company. "Tension pre-finishing with sizing stands".

254/Del/86. Colgate Palmolive Company. "Liquid laundry detergent bleach composition and method of use".

255/Del/86. JEI Chung Choi. "Therapeutic heating apparatus".

256/Del/86. Societe Lorraine De Laminage Continu-SOL-LAC & Unimetal Societe Francaise Des Aciers Longs. "Process for refining phosphoric pig iron".

20th March, 1986

257/Del/86. Imperial Chemical Industries PLC. "Catalysts". (Convention date 25th March, 1985 & 24th January, 1986) (U.K.).

258/Del/86. Fuller Company. "Apparatus and process for pneumatically conveying particulate material".

259/Del/86. Guy Nelson Keith and Standley Joseph Grossman, trading as Keith & Grossman Leasing Company. "Composite, pre-stressed structural member and method of forming same".

260/Del/86. The Standard Oil Company. "Amorphous metal alloy compositions and synthesis of same by said state incorporation/reduction reactions".

261/Del/86. Uniroyal Chemical Company, Inc. "Process for the production of 2, 2, 6, 6-tetraalkyl-4-niperidylamines".

262/Del/86. President and Fellows of Harvard College. "Absorptive pads and method of making".

263/Del/86. USM Corporation. "Weighing apparatus with compartmentalized weighing bucket".

21st March, 1986

264/Del/86. Council of Scientific and Industrial Research. "Process for the manufacture of organo phosphorus compounds for combating pests".

265/Del/86. Vincent H. Note. "Reflective solar tracking system".

266/Del/86. The Standard Oil Company. "Improved amorphous metal alloy compositions for reversible hydrogen".

267/Del/86. Union Carbide Corporation. "Improved pressure swing adsorption process and apparatus".

- 268/Del/86. The Standard Oil Company, "Energy storage devices and amorphous metal alloy electrodes for use in acid environments".
- 269/Del/86. The Standard Oil Company, "Energy storage devices and amorphous metal alloy electrodes for in alkaline environments".
- 270/Del/86. Sovonics Solar Systems, "Method of severing smaller area semiconductor devices from a large area of coated semi-conductor".
- 271/Del/86. Richardson Chemical Company, "Electroless deposition magnetic recording media process".
- 272/Del/86. The Standard Oil Company, "Amorphous metal alloy compositions for reversible hydrogen storage".

*24th March, 1986*

- 273/Del/86. Sovonics Solar System, "Vertical apparatus for continuous deposition of semiconductor alloys".
- 274/Del/86. Armstrong World Industries, Inc., "Flocced mineral materials and water resistant articles made therefrom".
- 275/Del/86. Colgate Palmolive Company, "A non toxic zinc salt composition".

*25th March, 1986*

- 276/Del/86. Council of Scientific and Industrial Research, "Electrosynthesis of conducting polythienylenes".
- 277/Del/86. Council of Scientific and Industrial Research, "Improved method of making silver ion-sensitive coated film electrode".
- 278/Del/86. Council of Scientific and Industrial Research, "An improved process for the preparation of diesel oil and kerosene substitutes from heavy tar fraction obtained by low temperature carbonisation of coal".
- 279/Del/86. Council of Scientific and Industrial Research, "A process for the preparation of a cationic poly-electrolyte useful as a flocculant".
- 280/Del/86. Council of Scientific and Industrial Research, "An improved process of degassing of aluminium and its alloys".
- 281/Del/86. Council of Scientific and Industrial Research, "Improved process for the production of trichlorosilane (TCS) from silicon tetrachloride".

- 282/Del/86. Council of Scientific and Industrial Research, "Process for the preparation of crystalline aluminumphosphate catalysts".
- 283/Del/86. Colgate Palmolive Company, "Control of dental plaque and caries".
- 284/Del/86. Colgate Palmolive Company, "Stable flavor-containing dentifrice".
- 285/Del/86. Sovonics Solar Systems, "Increased active area photovoltaic cell".
- 286/Del/86. AVI Gesellschaft fur Verbrennungskraftmaschinen und Messtechnik mbH. Prof. Dr. h. c. Hans List, "A two stroke internal combustion engine".
- 287/Del/86. GKN Technology Limited, "Securing components to springs of composite material". (Convention date 3rd April, 1985) (U.K.).

*27th March, 1986*

- 288/Del/86. M/s. Panetronic Auto (Pvt.) Ltd., "Panetronic Px 2000".
- 289/Del/86. Vivek Mull, "A bottle".
- 290/Del/86. Jackie Andre De Ruyter & Others, "Cutting appliance designed particularly for medical dressings".

*31st March, 1986*

- 291/Del/86. Prashanta Banerjee Symonds & Co. (P) Ltd., "Design of cricket bat".
- 292/Del/86. Council of Scientific and Industrial Research, "A process for the preparation of collagen derivatives from rejected and poor quality hides and skins useful for incorporation in cosmetic formulations".
- 293/Del/86. Council of Scientific and Industrial Research, "An improved battery of beehive coke ovens".
- 294/Del/86. General Foods Corporation, "Process for preparing a liquid coffee aroma".
- 295/Del/86. Alsthom, "Apparatus for causing water to flow, in particular in a hydrodynamic test tunnel".
- 296/Del/86. Antonio Pantalone, "Structure for metal constructions in general, in particular for trestlework constructions, accomplished by means of section bars and jointing elements".
- 297/Del/86. Societe Nationale Des Poudres Et Explosifs, "Process for the preparation of conductive polymers or prepolymers from a polymer containing ethylenic unsaturations and from a silane compound, and conductive polymers or prepolymers".

- 298/Del/86. Donald Hugh Campbell MacKAY, "Improvements in and relating to water supply systems".

*1st April 1986*

- 299/Del/86. Imperial Chemical Industries PLC., "Coating compositions" (Convention date 18th April, 1985) (U.K.).
- 300/Del/86. Imperial Chemical Industries PLC., "Coating compositions". (Convention date 18th April, 1985 and 17th March, 1986) (U.K.).
- 301/Del/86. Jury Borisovich Shparber, and others, "Hydraulic reservoir for a system of emergency cooling of nuclear reactor core".
- 302/Del/86. Mechanical Plastics Corp., "Expansible fastening element".
- 303/Del/86. Astra-Vent AB, "An air transporting arrangement".

*2nd April, 1986*

- 304/Del/86. Beru Ruprecht GmbH & Co., KG, "Ignition system".
- 305/Del/86. NRM Corporation, "Finger ply down for tire building machine".
- 306/Del/86. NRM Corporation, "Tire loader and basket".
- 307/Del/86. Hughes Aircraft Co., "Dual mode video tracker".
- 308/Del/86. Rajinder Singh Vijain, "Spring wheel bycycle".

*3rd April, 1986*

- 309/Del/86. Energy Conversion Devices, Inc., "Microwave system and method of making semiconductor members and improved semiconductive members made thereby".
- 310/Del/86. The Firestone Tire & Rubber Company, "Use of rubber solvent-resin solvent and miscella mixtures for extraction-expression of rubber and resins from guayule shrub".

*4th April, 1986*

- 311/Del/86. Mobil Solar Energy Corporation, "Method of fabricating solar cells".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH ATTDDI  
ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (W), BOMBAY-13.

**17-3-1986**

96/Bom/86	Laxman Shankarrao Nikam.	Sun Ayurvedic Cigarettes.
97/Bom/86	Meka Papa Rao.	A process and apparatus for the manufacture of hollow section beams for buildings.
98/Bom/86	Do.	A mould for manufacturing of pre-cast beams or throughs.
		<b>19-3-1986</b>
99/Bom/86	Laxman Shankarrao Nikam.	Laxmi Ayurvedic Ointment.
100/Bom/86	Universal Luggage Manufacturing Company Private Limited.	An improved suitcase, brief case or other piece of luggage.
101/Bom/86	Do.	A lock having means for attaching and/or locking a flexible cord thereto.
		<b>21-3-1986</b>
102/Bom/86	Dhananjay Gokuldas Fadte.	Concept of spring tidal phenomenon and its applicability to menstrual cycle/monthly period of woman of re-productive age for ascertainment of sex of menstrual cycle/monthly period; and sex of baby which will grow in her womb for attainment of family welfare by limiting Nos. of children to two or four of which 50% male and 50% female.
103/Bom/86	Prasanta Ray.	A means of orienting & steering a multiplane of mirrors to focus on a given target light emanating from a given source.

**24-3-1986**

104/Bom/86	Kumar Balram Bhatia	Pencil type gauge for measuring thickness of non-magnetic coats on magnetic surfaces.
105/Bom/86	Kabushiki Kaisha Toshiba.	A color cathode ray tube.
106/Bom/86	Oronizio De Nora Implanti electrochimici S.p.A.	Electrodes for use in electrochemical processes and method for preparing the same.
107/Bom/86	Dr. Madhavrao Avantrao Date & others.	Generalised overcurrent relays.
108/Bom/86	Mechelonic Welders Private Limited.	An electrical resistance welding machine.
109/Bom/86	V.P. Nambiar & G.K. Narayan.	Automatic alarm system through telephone network lines.
110/Bom/86	Paliath Divakar Kuttan & others.	A process for producing reconstituted tobacco product resembling cut tobacco strands and the product obtained there by.
111/Bom/86	I.A.E.C. India Limited.	Cooling water filter.
112/Bom/86	Laxman Shankarrao Nikam.	Laxmi Ayurvedic Whisky.

APPLICATIONS FOR PATENTS FILED AT THE  
PATENT OFFICE BRANCH, 61, WALLAJAH ROAD,  
MADRAS-600 002

31st March, 1986

229/Mas/86. Posocco International Limited. Molten metal casting and feeder sleeves for use therein. (MAY, 17, 1985; Britain).

230/Mas/86. Owens-Illinois, Inc. Sealing glass.

231/Mas/86. Amsted Industries Incorporated. Method of obtaining temperature of an object being heat treated.

232/Mas/86. Raychem Limited. Circuit protection device. (March 29, 1985; United Kingdom).

1st April, 1986

- 233/Mas/86. Lucas Industries Public Limited Company. Improvements in self-energising disc brakes. (April 2, 1985; United Kingdom).
- 234/Mas/86. Lucas Industries Public Limited Company. Improvements in self-energising disc brakes. (April 3, 1985; United Kingdom).
- 235/Mas/86. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. A flat for use in carding machines.
- 236/Mas/86. Hoechst Aktiengesellschaft. Process for making titanium dioxide concentrates.
- 237/Mas/86. Societe des Produits Nestle S.A. Process and device for homogeneous thermal treatment of liquid or solution in motion.

238/Mas/86. Schlumberger Electronics (UK) Limited. Improvements in weapon training systems.

2nd April, 1986

239/Mas/86. Usinor Aciers. Machine for removing burrs from slabs.

240/Mas/86. Mitsubishi Denki Kabushiki Kaisha. Apparatus for preventing turbulence of rolling stock.

241/Mas/86. S. S. BIJU. Contamination free delivery system for metal sensitive compounds.

242/Mas/86. T. K. Premkumar. Gravitational energy converter.

243/Mas/86. H. S. Mukunda & U. Shrinivasa. Wood gasifiers.

244/Mas/86. Thomson Welding & Inspection Limited. Friction Welding. (May 10, 1985; Great Britain).

245/Mas/86. Thomson Welding & Inspection Limited. Friction welding apparatus, (May 10, 1985; Great Britain).

246/Mas/86. Mitsui Toatsu Chemicals, Inc. Process for producing 1, 3-dialkyl-2-imidazolidinones.

4th April, 1986

247/Mas/86. Smt. S. Shilpi. Self massaging device.

248/Mas/86. Deutsche Texaco AG. Treatment of strongly acidic cation exchange material to be used as catalyst.

249/Mas/86. Deutsche Texaco AG. Production of alcohols.

250/Mas/86. Vish Chimiko-Tekhnologicheski Institut. Screw for single-screw extruder.

#### ALTERATION OF DATE

157664. Ante dated to 19th April, 1980.  
(430/Cal/83)

157667. Ante dated to 7th September, 1981.  
(1411/Cal/83)

157683. Ante dated to 16th April, 1980.  
(1362/Cal/83)

157684. Ante dated to 25th August, 1980.  
(1556/Cal/83)

157686. Ante dated to 19th February, 1982.  
(581/Cal/84)

157687. Ante dated to 29th August, 1981.  
(532/Cal/84)

157688. Ante dated to 26th November, 1981.  
(577/Cal/84)

157689. Ante dated to 19th February, 1982.  
(582/Cal/84)

#### COMPLETE SPECIFICATION ACCEPTED

Notice hereby given that any person interested in opposing the grant of patents on any of the applications concerned may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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CLASS : 187-E.

157661

Int. Cl. : H04 r 11/00.

#### ELECTRO-ACOUSTIC TRANSDUCERS.

Applicant : PLESSEY OVERSEAS LIMITED, VICARAGE LANE ILFORD, ESSEX, ENGLAND.

Inventor : 1. LESLIE LEONARD WEST.

Application No. 1504/Cal/82 filed December 30, 1982.

Convention dated 30th December, 1981 (81 39109) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 20 Claims

An electro-acoustic transducer comprising a first housing, a permanent magnet moulded in the first housing and a coil assembly mounted in the first housing adjacent to said permanent magnet, the first housing including a location for an armature, the location providing a predetermined clearance between said permanent magnet, the coil assembly and the armature, and a second housing moulded around the first housing so as to be bonded thereto, the second housing at least a portion of the outer walls of the transducer.

Compl. Specn. 10 pages.

Drgs. 4 sheets.

CLASS: 26.

157662

Int. Cl. : A 46 b 7/00.

#### TOOTH BRUSH.

Applicant & Inventor : NAHUM SYLVAIN, OF 16 AVENUE, DUMAS, 1206 GENEVE, SWITZERLAND.

Application No. 1515/Cal/82 filed December 31, 1982.

Post dated to 3rd January, 1983 u/s 171).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 12 Claims

A tooth brush having a handle and a bristle head with supports on which tufts of bristles are secured, said support automatically coming into motion when a user, after applying, the bristles against the teeth, applies to said brush, held by the handle, a reciprocating rectilinear movement, said tooth brush being characterized in that it comprises :

— at least one support of a first type and at least one support of a second type;

- means mounting said support of the first type on said housing to allow oscillation of the tufts or bristles thereof in a plane perpendicular to said housing when the user applies said reciprocating rectilinear movement;
- means mounting said support of the second type on said housing to allow rotation of the tufts of bristles thereof about an axis of symmetry of said tufts; and
- means mechanically interconnecting said supports of the first and of the second type so that oscillation of the support of the first type causes rotation of the support of the second type.

Compl. Specn. 13 pages.

Drgs. 4 sheets.

CLASS : 62-C<sub>1</sub>.

157663

Int. Cl. : D06 p 5/00.

## A PROCESS FOR THE CONTINUOUS DYEING OF FABRIC WEBS.

Applicant : HOECHST AKTIENGESELLSCHAFT  
D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. HANS-ULRICH VON DER ELTZ.

Application No. 206/Cal/83 filed February 21, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

A process for the continuous dyeing of fabric webs, in which the fabric is padded (this includes the squeezing off) with an aqueous liquor containing dissolved and/or dispersed dyestuffs and the dyestuffs are afterwards fixed without an intermediate drying of the padded fabric in a heated steam/air mixture which comprises regulating the steam content of that mixture and the temperature thereof so that a dry-bulb thermometer in that steam/air mixture records a temperature of 110° to 14°C and injecting steam into that mixture so that a wet-bulb thermometer shows a temperature of 50—95°C and keeping the conditions recorded by the thermometers constant and running the moist fabric through that steam/air mixture for at least 20 seconds and within no more than 200 seconds.

Compl. Specn. 18 pages.

Drgs. 2 sheets.

CLASS : 114-D &amp; F.

157664

Int. Cl. : C 09 k 3/00; C 14 c 3/00.

## A PROCESS FOR TANNING HIDES.

Applicants : (1) TSENTRAINY NAUCHNO-ISSLEDOVATELSKY INSTITUT KOZHEVKENNOOBUVNOI PRÖMYSHLENNOSTI OF PYATITSKAYA ULTSA, 74 USSR; (2) INSTITUT KHMII I TEKHNOLOGICHESKIKH ELEMENTOV I MINERALNOGO SYRYA KOLSKOGO FILIALA AKADEMII NAUK USSR, OF APATITY MURMANSKOI OBLASTI, ULITSA FERSMANA, 14, USSR.

Inventors : 1. DAVID LAZAREVICH MOTOV, 2. LJUI-MILA PETROVNA TIURKINA, 3. LIDIA GEORGI-EVNA GERA SIMOVA, (4) ALEXANDER IVANOVICH METEJKIN, 5. ISAAK GRIGORIEVICH SHIFRIN, 6. NINA IVONOVNA KOLESNIKOVA, (7) GALINA GREGORIEVNA YAKUSHEVA, (8) MARIA MOISEEVNA GODNEVA, (9) ARTUR GRIGORIEVICH BABKIN, (10) IRIDY JOSIFOVICH MIKAELIAN, (11) VALENTIN IVANOVICH BELOKOSKOV, (12) VLADIMIR PAVLOVICH PLOTNIKOV.

Application No. 430/Cal/83 filed April 13, 1983.

Division of application No. 456/Cal/80 dated 19th April, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

A process for tanning raw hides, wherein delimed hides are treated with a titanium tanning agent such as herein described titanyl and ammonium disulphate monohydrate  $(\text{NH}_4)_2\text{TiO}(\text{SO}_4)_2 \cdot \text{H}_2\text{O}$ , taken in an amount of 4 to 6% of the weight of the hides based on  $\text{TiO}_2$ , the semifinished product thus obtained is neutralised with sodium sulphite and urotropin, and tanned up with known synthetic tanning agents to be subsequently subjected to stuffing and sustaining, characterized in that, prior to the titanium tanning the hides are treated over a period of 1.5 to 2.0 hours with substances promoting the tanning process, taken in an amount of 1 to 15% of the weight of the hides and selected from the group comprising sodium salt of disulphodinaphthylmethane, phthalic anhydride, aluminium alum, aluminium alum mixed with urotropin, ammonium titanyl sulphate and phenol oligomers dispersed in lignosulphonic acid, and treatment with the titanium tanning agent is carried out in the presence of a complex-forming substances, taken in an amount of 0.5 to 2% of the weight of the hides and selected from the group consisting of lactic acid, aluminium alum and product of condensation of a synthetic fatty acid with triethanolamine.

Compl. Specn. 25 pages.

Drg. Nil.

CLASS : 65-B<sub>1</sub>; 69-K; 140-B<sub>1</sub>.

157665

Int. Cl. H 01 f 15/08, 27/10.

## PERCHLOROETHYLENE CONTAINING DIELECTRIC FLUID FOR ELECTRICAL APPARATUS AND ELECTRICAL APPARATUS COMPRISING THE SAME.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. ANTHONY JAMES PALUMBO, 2. ROBERT ANTHONY KURZ.

Application No. 930/Cal/83 filed July 27, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

A perchloroethylene containing dielectric fluid for electrical apparatus, being capable of protecting organic polymers such as hereinbefore described provided in said apparatus, from attack by perchloroethylene, said dielectric fluid comprising perchloroethylene in admixture with 0.01 to 0.5% by weight (based on the total weight of the dielectric fluid) of an aromatic phenol.

Compl. Specn. 10 pages.

Drg. 1 sheet.

CLASS : 4-A<sub>4</sub>.

157666

Int. Cl. : B 64 d 25/08.

## AIRCRAFT EJECTION SYSTEM AND AIRCRAFT INCORPORATING SUCH SYSTEM.

Applicant : ENGINEERING PATENTS &amp; EQUIPMENT LIMITED, OF JERSEY, CHANNEL ISLANDS, U.K., OF OAK WALK, ST. PETER, JERSEY, CHANNEL ISLANDS, UNITED KINGDOM.

Inventor : 1. JOHN STEPHEN MARTIN.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims

An ejection system for ejecting an ejection seat/airman combination from an aircraft, including a primary rocket motor for accelerating the combination in a predetermined direction relative to the seat/airman combination by produc-

ing a thrust vector extending through or substantially through the centre of gravity of the combination, and having a substantial component along the principal axis, as herein defined of the combination and a further, lateral thrust rocket motor for producing a thrust vector which extends laterally with respect to the fore and aft axis of the seat in a direction transverse to the direction of the thrust vector produced by the primary motor, but which passes through, or substantially through the principal axis (as herein defined) of the seat/airman combination, at a position spaced from said centre of gravity, so as to produce a rotational moment acting on the combination.

Compl. Specn. 13 pages.

Drgs. 6 sheets.

CLASS : 9-F; 31-A, B; 98-I.

157667

Int. Cl. : B 01 j 17/28.

**A METHOD OF MAKING AN PHOTORESPONSIVE SILICON-BASED ALLOY.**

Applicant : ENERGY CONVERSION DEVICES, INC.,  
OF 1675 WEST MAPLE ROAD, TROY, MICHIGAN  
48084, UNITED STATES OF AMERICA.

Inventors : 1. STANFORD ROBERT OVSHINSKY, 2.  
MASATSUGU IZU.

Application No. 1411/Cal/83 filed November 17, 1983.

Division of Application No. 1001/Cal/81 dated 7th September, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**6 Claims**

A method of making an improved photoresponsive silicon-based alloy having an amorphous structure, said method comprising depositing on a substrate (18 in Figs. 1 to 3; 116 in Fig. 5; 240 in Fig. 12) silicon containing at least one of hydrogen or fluorine as a density of states reducing element, by establishing a glow discharge in a gaseous mixture containing silicon and at least one of hydrogen or fluorine in a chamber (12 in Figs. 1 to 3; 100 in Fig. 5; 226 in Fig. 12) and introducing in on-varying amount during a part of the said deposition process into said gaseous mixture at least one dopant which may be of p-type conductivity like aluminum, gallium, indium and boron, or of n-type conductivity like phosphorous and arsenic, or a bandgap decreasing element like germanium and tin, in a way such that at least one portion of said alloy, (146 in Fig. 6; 168 in Fig. 7; 180 in Fig. 8; 206, 208, 210 in Fig. 10; 214, 216, 218, 220 in Fig. 11) is formed with a plurality of substantially discrete subportions.

Compl. Specn. 54 pages.

Drgs. 3 sheets.

CLASS : 32-A1, 2.

157668

Int. Cl. : C 09 b 62/08, 62/10.

**PROCESS FOR THE MANUFACTURE OF WATER-SOLUBLE COLORED COMPOUNDS.**

Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKURT AM MAIN 80 FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. FRITZ MEININGER, 2. URSULA OTTEN, 3. ANNA GFRTRUD RUDOLPH NFE OTTEN.

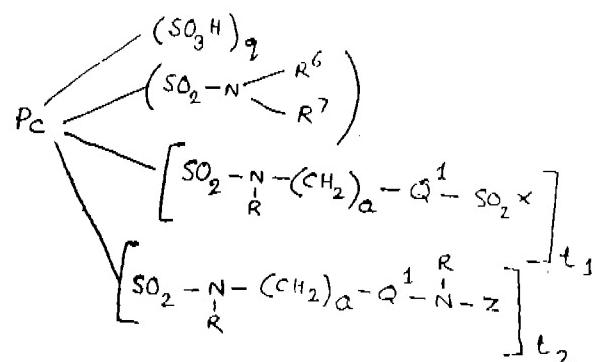
Application No. 1517/Cal/83 filed December 12, 1983.

Division of Application No. 527/Cal/81 dated 16th May, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**5 Claims**

A process for the preparation of novel phthalocyanine compound of formula (1) of the accompanying drawings, in



Formula 1

which PC is the radical of copper phthalocyanine or nickel phthalocyanine, the sulfo and sulfonamido groups being bonded to the phthalocyanine radical in the 3-position or 4-position,

R is a hydrogen atom or an alkyl group of 1 to 4 C-atoms,

R<sub>a</sub> is a hydrogen atom or an alkyl group of 1 to 4 C-atoms,

R<sub>b</sub> is a hydrogen atom or an alkyl group of 1 to 4 C-atoms,

R, R<sub>a</sub> and R<sub>b</sub> being identical to or different from one another, a is the number zero, 1 to 2,

Q<sup>1</sup> which can be identical to or different from one another is a phenylene or naphthylene radical which can be substituted by 1 or 2 substituents from the group comprising methyl, ethyl, methoxy, ethoxy, chlorine, Bromine, sulfo and carboxy, or represent an alkylene radical having 2 to 5 C-atoms,

q is a numerical value from 0 to 3,

r is a numerical value from 0 to 2 and

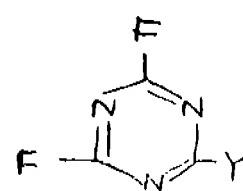
t<sub>1</sub> and t<sub>2</sub> which can be identical or different each is a numerical value from 1 to 1.5, preferably 1,

the sum of (t<sub>1</sub>+t<sub>2</sub>) being at most 2.5, and

the sum of (q+r+t<sub>1</sub>-t<sub>2</sub>) being at most 4;

X is a vinyl, β-thiosulfatoethyl, β-sulfatoethyl or β-chloroethyl group,

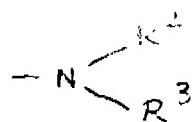
Z is a group of the formula (2)



Formula 2

in which

Y is a radical of the formula  $-O-R^1$   
or of the formula  $-S-R^1$   
or preferably of the general formula (3)



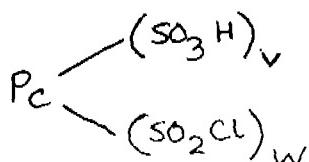
Formula 3

in which  $R^1$  represents an optionally substituted alkyl radical having 1 to 4 C-atoms, or an aromatic carbocyclic or aromatic heterocyclic radical, each optionally substituted,  $R^2$  is a hydrogen atom or an optionally substituted lower aliphatic radical having 1 to 4 C-atoms in the aliphatic moiety, or a cycloaliphatic radical and

$R^a$  denotes a hydrogen atom, an optionally substituted lower aliphatic radical having 1 to 4 C-atoms in the aliphatic moiety, an optionally substituted aromatic carbocyclic radical, an alkoxy group of 1 to 4 C-atoms, a cyano group, a group of the formula  $-CS-NH_2$ , or an optionally substituted amino group, or

$R^3$  and  $R^6$ , conjointly with the nitrogen atom, form a ring which contains an alkylene of 1 to 4 C-atoms and, if appropriate, a hetero-atoms, such as, for example, a nitrogen or oxygen atom, such as, for example, amorpholino, piperidino or piperazino ring,

which comprises reacting a compound of the general formula (5)



Formula 5

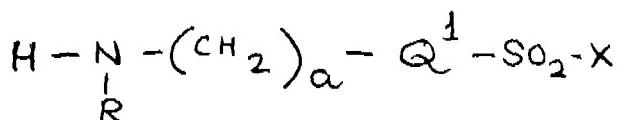
in which Pc is as defined above,

V represents a number between 0 and 2 and

w represents a number between 2 and 4,

the sum of (v + w) being at most 4,

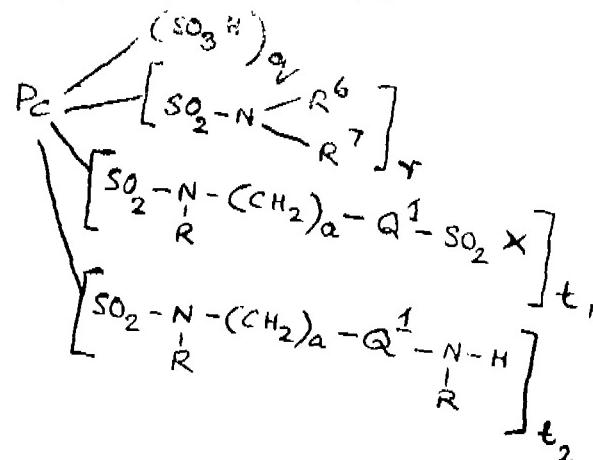
simultaneously or in any desired sequence, with a diamino compound of the general formula (7)



Formula 7

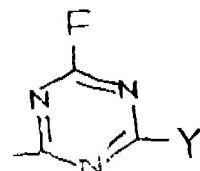
in which R, Q<sup>1</sup>, X and a have the meanings given above or X is the  $\beta$ -hydroxy-ethyl group, in the presence or in the absence of an amino compound of the general formula  $\text{HN}^R\text{R}'$  in which R<sup>6</sup> and R<sup>7</sup> have the meanings given above, reacting the intermediate compound if in formula (7) X was the  $\beta$ -hydroxyethyl group, with a conventional sulfata-

tion agent, and then reacting the compound obtained corresponding to the general formula (12)



Formula 12

in which the formula noieties have the meanings given above for formula (1), with the difluorotriazinyl compound of the general formula (4)



Formula 4

with the elimination of one mole of hydrogen fluoride.

Compl. Specn. 31 pages.

Drgs. 3 sheets.

CLASS : 32 F<sub>2</sub>(b).

157669

Int. Cl. : C09d. 99/00.

"A PROCESS FOR THE PREPARATION OF BIS-ESTERS OF METHANEDIOL WITH ACETONIDES OF AMPICILLIN OR AMOXICILLIN AND PENICILLANIC ACID 1, 1-DIOXIDE".

Applicant : PFIZER INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

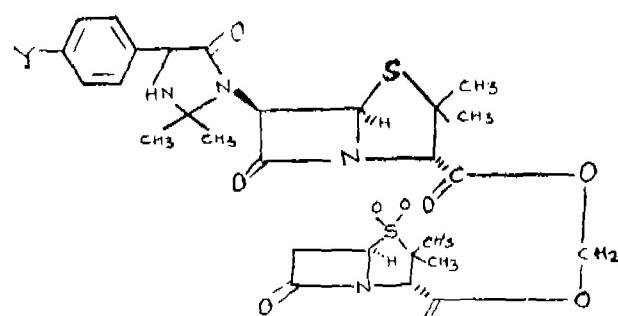
Inventors : THOMAS CHARLES CRAWFORD & CONSTANTINE SKLAVOUNOS.

Application for Patent No. 07/Del/1982 filed on 4th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

#### 4 Claims

A process for the preparation of a compound of formula I

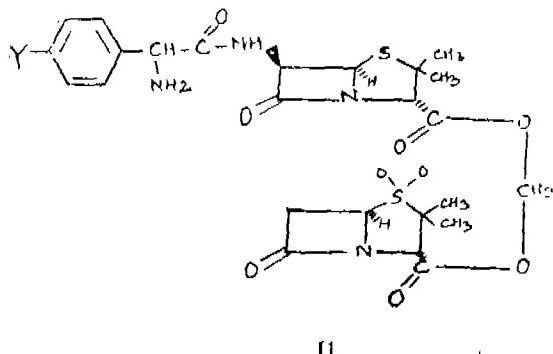


Formula I

of the drawings wherein Y is H or OH and the imidazolidinone side chain is derived from D-alpha-aminophenyl acetic acid;

which comprises :

reacting a compound of formula II



of the drawings with acetone.

Compl. Specn. 17 pages.

Drgs. 2 sheets.

CLASS : 39 K.

157670

Int. Cl. : C01b. 15/02.

**"A PROCESS FOR STABILISATION OF AQUEOUS HYDROGEN PEROXIDE".**

Applicant : SOCIETE D'APPLICATIONS DE PROCESSES INDUSTRIELS ET CHIMIQUES S.A.P.I.C., A FRENCH COMPANY OF 32, RUE ANDRE CAYRON, 92600, ASNIERS, FRANCE.

Inventor : GERARD YVES RICHARD.

Application for Patent No. 742/Del/1981 filed on 25th November, 81.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(7 Claims)

A process for the stabilisation of aqueous hydrogen peroxide which comprises adding to an aqueous peroxide solution at least one fluorine-containing compound, said fluorine compound providing free fluoride ions ( $F^-$ ) in the said peroxide solution.

(Complete specification 20 pages).

CLASS : 64B1.

157671

Int. Cl. : H 01 r — 9/02.

**"ELECTRIC TERMINAL".**

Applicant : CARRIER CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT CARRIER TOWER, P.O. BOX 4800, SYRACUSE, NEW YORK 13221, UNITED STATES OF AMERICA.

Inventors : RAYMOND THOMAS DIVERS, THOMAS LOUIS KASSOUF AND JOAN MARIE CIRCELLI.

Application for Patent No. 758/DEL/1981 filed on 1st December, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2—67GI/86

(11 Claims)

An electric terminal comprising a body, a plurality of terminal pins longitudinally extending through the body, a plurality of terminal nut means, each terminal nut means encircling and engaging an upper portion of a terminal pin and held by the pin in pressure contact against the body; retainer means including a longitudinal portion and a transverse portion, the longitudinal portion extending between terminal pins to insulate electrically the pins from adjacent pins, the transverse portion extending over the terminal nut means for maintaining the terminal nut means and the terminal pins in place, and wherein the terminal pins longitudinally extend above the transverse portion of the retainer means to provide access to the terminal pins; and connecting means releasably connecting the retainer means to the body.

(Complete specification 15 pages) (Drawing 2 sheets).

CLASS : 98 G.

157672

Int. Cl. : B21d 53/02, B27p 15/26.

**"HEAT EXCHANGER RIBBON SLITTING DEVICE AND METHOD".**

Applicant : CARRIER CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT CARRIER TOWER, P.O. BOX 4800, SYRACUSE, NEW YORK 13221, UNITED STATES OF AMERICA.

Inventor : ROSS ALEXANDER MOYER.

Application for patent No. 759/Del/81 filed on 1st December, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(6 Claims)

Heat exchanger slitting device for forming a slit fin ribbon a first slitter wheel mounted on a first shaft; a second slitter wheel mounted on a second shaft and contacting with the first slitter wheel when both are rotated in registration to slit an advancing ribbon of finstock therebetween; and motor for rotatably driving either the first shaft or the second shaft; a first pulley mounted to the first shaft; a second pulley mounted to the second shaft; and a double sided pulley belt connecting the first pulley to the second pulley to rotate the shaft being driven from the shaft connected to the motor while maintaining the slitter wheels in correct alignment.

(Complete specification 11 pages Drawing 3 sheets).

CLASS : 163Ba.

Int. Cl. : F 04 b — 19/12.

**"AN IMPROVED ROTARY POSITIVE DISPLACEMENT SINGLE SCREW PUMP".**

Applicant : VIPUL AGRAWAL, 19, TAGORE ROAD, KANPUR (UTTAR PRADESH), INDIA, AN INDIAN NATIONAL.

Inventor : VIPUL AGRAWAL.

Application for Patent No. 760/Del/1981 filed on 2nd December 1981. Complete specification left on 26th November 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(3 Claims)

An improved rotary positive displacement single screw pump comprising a solid driving shaft connected to a rotor by means of a parallel shaft universal coupling being adapted to rotate at large angles upto a maximum of 36°; the said rotor being tubular to reduce the dead-weight on account of its additional eccentricity and being characterised by a longitudinal single threaded central bore therethrough, so that the cross section at every point is such that the central bore and

the outer circumference are truly concentric; the said parallel shaft universal coupling comprising a shaft holder, a central holder and a rotor holder connected in series by means of link members; the said shaft holder having a cylindrical body with a longitudinal threaded bore on its centre and a longitudinal recess on the outer surface thereof a circular plate integral with the body at right angles to its longitudinal axis, the said plate being provided with two lugs protruding in the direction of the said axis of the cylindrical body with holes synchronised with respect to said link members and perpendicular to said axis of cylindrical body; the said central bore and two lugs at each end with synchronised holes perpendicular to the axis of the cylindrical body to each other; the said rotor holder having the same constructional features as the said shaft holder; each said link member being a square or cylindrical element having two skewed through holes.

(Provisional specification 3 pages).

(Complete specification 14 pages) (Drawing 4 sheets).

CLASS : 128 F & 179 G

157674

Int. Cl. : A 61 m, 1/02 & B 65 d, 41/00.

#### CAP CONNECTOR.

Applicant : PALL CORPORATION, A U.S. COMPANY, OF 30 SEA CLIFF AVENUE, GLEAN COVE, NEW YORK 11542, UNITED STATES OF AMERICA.

Inventor : DAVID JOHN ROSFNBFRG.

Application for Patent No. 761/Del/1981 filed on 2nd December, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

#### 5 Claims

A cap connector, capable as a cap for closing off in a leak-tight bacteria-tight seal a delivery port of a receptacle carrying pharmaceutically-acceptable material, or a receiving port of a receiver receiving pharmaceutically-acceptable material, or an inlet or outlet port of a filter assembly, and as a connector for making a leak-tight and bacteria-tight connection between any two of the delivery port of the receptacle, the receiving port of a receiver, and the inlet or outlet port of the filter assembly, for passage of pharmaceutically-acceptable material therebetween, comprising :

- (1) a housing of resilient plastic material;
- (2) the housing defining the wall of a through passage having one end adapted for removable attachment to one of the ports and another end adapted for removable attachment to another of the ports, the passage being adapted for carrying pharmaceutically-acceptable material therebetween.
- (3) the portions of the housing defining the passage walls at the said ends of the passage when so attached resiliently forming the bacteria-tight and leak-tight seal in a press-fit to the said ports;
- (4) a cap closure closing off one end of the through passage, integral with the housing and of the same plastic material as the housing, demarcated by an annular weak area from the remainder of the housing;
- (5) the other end of the through passage being open for removable attachment to the delivery port of the receptacle or the receiving port of the receiver;
- (6) the cap closure being removable by tearing it away from the housing at the weak area, to open that end of the passage and convert the cap into a connector having two ends, which can be attached at one end in the bacteria-tight and leak-tight seal to one of the said ports and at the other end in the bacteria-tight and leak tight seal to

another of the said ports and pharmaceutically-acceptable material transferred therebetween via the through passage.

Compl. specn. 15 pages.

Drg. 1 Sheet.

CLASS : 107 B

157675

Int. Cl. : F 02 b, 43/02.

#### AN IMPROVED TWO-CYCLE INTERNAL COMBUSTION ENGINE.

Applicant : HUGH GLEEN EVANS, OF WEST 214—6th AVENUE, SPOKANE, WASHINGTON, 99204, UNITED STATES OF AMERICA, A U.S. CITIZEN AND STEPHEN RICHARD SPEER, OF SOUTH 358 COUER D'ALENE APT. 6, SPOKANE, WASHINGTON 99204, UNITED STATES OF AMERICA, A U.S. CITIZEN.

Inventors : HUGH GLEEN EVANS & STEPHEN RICHARD SPEER.

Application for Patent No. 762/Del/1981 filed on 2nd December, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

#### 13 Claims

An improved two-cycle, internal combustion engine comprising a single in-line engine block, internal wall surfaces defining at least one cylinder within the engine block, the longitudinal axis of each cylinder aligned within the common plane extending longitudinally of the engine block, the axially extending internal wall surface to each cylinder having at least one air intake port therethrough, a piston axially and reciprocally movable within each cylinder so as to alternately cover and expose each air intake port, the engine being so constructed that the diameter of the cylinder is greater than the permitted axial movement of the piston within the cylinder, an exhaust port at the upper portion of the cylinder and a mechanically operated valve for opening and closing such port located immediately adjacent such port, a connecting rod pivotably connected at one end to each piston and a crankshaft, rotatably connected to the second end of each connecting rod, such that the crankshaft is caused to rotate by reciprocating movement of each piston, and a rotatable connecting means between the piston and the connecting rod, the improvement wherein the axis of the crankshaft is parallel to and laterally offset from the common plane by a distance equal to at least about 20 per cent of the stroke of the piston and further wherein the rotatable connection means is located in the lower half of the piston, such that the period of time during which each air intake port is exposed is increased when the direction of crankshaft rotation is opposite to the direction of the crankshaft offset from the common plane.

Compl. specn. 19 pages.

Drg. 4 Sheets.

CLASS : 72C.

157676

Int. Cl. : C06c 1/00.

#### A DEVICE FOR INITIATING EXPLOSIVES.

Applicant :—IMPERIAL CHEMICAL INDUSTRIES PLC, a British company, of Imperial Chemical House, Millbank, London SW1P 3JF, England.

Inventors :—BOHUMIL MARIA JAN PLICHTA & JOHN MICHAEL EWEN GELLER.

Applicant for patent no. 785/Del/81 filed on 16th December, 1981.

Convention date 22nd June, 1981/8119236/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

## 15 Claims

An explosion initiating device for initiating an A. C. operate detonating system as described herein, which device includes :

a power oscillator for generating an oscillating electric initiating signal of sufficient power at a variable frequency; and

voltage and frequency setting means each connected to an input of the poweroscillator whereby, in use, when the power oscillator is connected through an output connecting means to a primary wire of said an A. C. operable detonating system as described herein and energised the oscillator is controlled to generate an initiating signal at a sufficient current level to initiate the detonating system and at the resonant frequency of the load of said oscillator.

Compl. Specn. 32 pages.

Drags. 8 sheets

CLASS : 28 A&B.

157677

Int. Cl. : F 23 c 9/00.

**AN IMPROVED LIQUID FUEL BURNER FOR INDUSTRIAL FURNACES.**

Applicant :—COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110 001, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors :—PREM NATH BHAMBI, HARISH KUMAR MADAN AND VALENTIN LEONIDOVICH GUDZIUK.

Application for Patent No. 822/DEL/1981 filed on 31st December 1981.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

## 6 Claims

An improved liquid fuel burner for industrial furnaces comprising a fuel pipe (1) fitted with a fuel control valve (2) at one end and fuel nozzle (3) at the other end, the nozzle being surrounded by a primary air pipe (4) having a primary air inlet pipe, the pipe opening into a spray chamber provided with an oil bypass opening (10) at its wall the main exit pipe (8) fitted at the outlet end of the chamber, the exit pipe being surrounded by a secondary air inlet pipe (6) having the secondary air inlet (7) and secondary air impinging cone (11) at the end of secondary air pipe.

Compl. Specn. 8 pages.

Drags. 5 sheets.

CLASS : 168 B & 10 F.

157678

Int. Cl. : F41f 9/00.

**A FIRE ARM.**

Applicant :—AKTIEBOLAGET BOFORS, a joint-stock company organised under the laws of Sweden, of S-691 80 Bofors, Sweden.

Inventors : OLLE GASTAVSSON & GORAN SUNDMAR.

Application for patent no. 883/Del/80 filed on 9th December, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

## 12 Claims

A firearm with an elevating mass having a cradle and a breech mechanism, comprising a loading pendulum for supporting an elongate loading tray to transfer a round of ammunition from a loading table to the breech mechanism of the firearm, said pendulum comprising two arms whose one ends include means to support an elongate ammunition loading tray and whose opposite ends are pivoted to the rear part of the loading pendulum to allow both said arms to swing said tray from a first loading position adjacent the firearm to a second remming position behind said breech mechanism with a longitudinal axis of a ammunition in said loading tray in line with the axis of the barrel and means to drive said arms between said first and second positions, said arms being arranged so that the vertical plane containing the axis of the elongate loading tray when in said first position diverges in the direction of said barrel from a vertical plane containing the axis of the barrel and wherein said pendulum is adapted to adjust to the angle of elevation of the barrel.

Compl. Specn. 13 pages.

Drags. 2 sheets.

CLASS : 25-B.

157679

Int. Cl. E 04 c 1/00.

**A METHOD OF AND APPARATUS FOR MANUFACTURING BRICKS AND LIKE ARTICLES OUT OF REJECTS FROM COAL WASHERIES.**

Applicant & Inventor : ABIR KUMAR SARKAR, OF FLAT NO. 28, 15 SARAT CHATTERJEE AVENUE, CALCUTTA-700 29, WEST BENGAL, INDIA.

Application No. 686/Cal/82 filed June 14, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-5.

## 8 Claims

A method of producing bricks, blocks, slabs or the like from rejects of coal washeries which comprises the steps of crushing the rejects to smaller sizes, feeding the crushed rejects to a fluidised bed furnace to obtain ash contents of the rejects, delivering the ash into a pulverizer to produce fly-ash, cooling and crushing the fly-ash to 100 mesh size and delivering the crushed fly-ash into a mixer, feeding sand, lime and water to the mixer, and mixing the same with the fly-ash to form a mix, passing the mix through an extruder forming brick, block slab or like shapes, curing the said shapes in an autoclave at a temperature of the order of 125°C and then cooling the bricks, blocks, slabs of the like formed before storage or transporting the same.

Compl. Specn. 10 pages.

Drg. 1 sheet.

CLASS : 152-E.

157680

Int. Cl. : C 08 g 47/00.

**A BINDING AGENT COMPOSITION.**

Applicant : UNION CARBIDE CORPORATION, LOCATED AT : OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT (06817), UNITED STATES OF AMERICA.

Inventors : 1. JAMES GLENN MARSDEN, 2. ENRICO JAMES PEPE.

Application No. 1201/Cal/82 filed October 14, 1982.

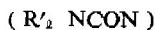
Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

## 10 Claims

A binding agent composition for inorganic oxides comprising a curable binder such as herein described and an organosilicon compound coupling agent, wherein said organosilicon compound contains, per molecule

- (a) at least one silicon-bonded group of the formula  
 $[R'_2 NC(0)]_n — R —$

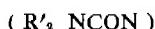
whence R is an aliphatic radical containing nitrogen, hydrogen and at least three carbon atoms wherein at least one nitrogen atom therein is bonded to each  $(R'_2 NCO)$  to form



at least one free valence of



is bonded to an alkylene carbon atom of R, any other free valence of



is bonded to a member selected from the group consisting of hydrogen, alkyl, aryl, cycloalkyl and aralkyl, any nitrogen atom in R is separated from silicon by at least three sequentially joined carbon atoms;  $R'$  is hydrogen, alkyl having 1 to 8 carbon atoms or methyol; and n is at least one;

- (b) two silicon-bonded hydroxyl groups or hydrolyzable or condensable groups selected from the class consisting of alkoxy, acyloxy, amino and haloalkoxy; and
- (c) any remaining free valence of silicon being bonded (1) to oxygen which in turn is bonded to another silicon atom to form therewith a siloxane or (2) to hydrogen or, by carbon to silicon bonds, to a monovalent organic group selected from the group consisting of alkyl, acyl, cycloalkyl, aryl, alkaryl, aralkyl, alkenyl, alkadienyl, cycloalkenyl, haloalkyl, halocycloalkyl, cyanoalkyl, cyanoaryl, cyanocycloalkyl, carboxyalkyl, carboxyaryl, carboxy-cycloalkyl, isocyanatoaryl, isocyanatocycloalkyl, alkyl carboxyalkyl, aryl carboxyalkyl, hydroxyalkyl, hydroxy (polysilyleneoxy) alkyl, alkenoyloxyalkyl, epoxyalkyl, epoxysalkyl, epoxycyloxyalkyl, aminoaryl and aminoalkyl. said binding agent composition contains from about 0.01 to about 5 weight parts of said organosilicon compound per 100 weight parts of curable binder.

Compl. Specn. 28 pages.

Drg. Nil.

CLASS : 97-B.

157681

Int. Cl. : H 05 b 7/00.

#### ELECTRODE FEEDER APPARATUS.

Applicant : ELKEN A/s. OF MIDDLETHUNSGATE 27, OSLO 3, NORWAY.

Inventor : 1. KNUT EVENSEN.

Application No. 162/Cal/83 filed February 11, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

Electrode feeder apparatus for feeding an electrode axially in an electrothermic smelting furnace, the electrode having a co-axial electrode casing with a plurality of elongate ribs distributed around its periphery, the ribs extending lengthwise in the axial direction along the external surface of the casing and projecting widthwise outwardly therefrom, and the feeder apparatus comprising a plurality of electrode feeder units distributed around the periphery of the electrode casing,

each feeder unit comprising releasable clamping means arranged to grip a respective one of the said ribs in a manner imposing only substantially tangential clamping forces on the electrode casing, the releasable clamping means comprising a pair of relatively-movable opposed clamp members adapted to bear respectively against opposite side faces of the respective rib, and pressure-imposing means acting between the clamp members to cause them to grip the rib between them with a clamping pressure, each feeder unit also including clamp-releasing means selectively operable from outside the furnace to release temporarily the clamping pressure imposed on the associated rib by the clamp members under the action of the pressure-imposing means, and thrust means selectively operable from outside the furnace to move the respective clamping means in the said axial direction so as to impose a substantial axial thrust on the electrode casing if the respective clamping is at that time gripping the associated rib, but to move the clamping means along the rib in the said axial direction relatively to the electrode casing if its grip is at that time released by the action of the clamp-releasing means.

Compl. Specn. 15 pages.

Drgs. 2 sheets.

CLASS : 69-C.

157682

Int. Cl. : H 01 r 39/06.

#### CIRCUIT INTERRUPTER CLOSING HAVING RESISTANCE MECHANISM.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : 1. BEN JOSE CALVINO.

Application No. 256/Cal/83 filed March 2, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

A power circuit interrupter having closing resistance mechanism pair of cooperable, separable interrupter contacts, at least one of which is movable, a pair of cooperable, separable impedance contacts, at least one of which is movable, impedance means adapted to be placed electrically in parallel with said interrupter contacts by said impedance contacts, movement effecting means for effecting movement of said movable interrupter contact and said movable impedance contact to provide for opening and closing of said interrupter and impedance contacts, mechanical timing means having mechanical operative elements responsive to said movement effecting means, for control of the closing of said impedance contacts at a predetermined time interval relative to the closing of said interrupter contacts, interrupter contact operating mechanism responsive to said movement effecting means for opening and closing of said interrupter contacts, impedance contact mechanism responsive to said mechanical timing means for closing and reopening of said impedance contacts.

Compl. Specn. 16 pages.

Drgs. 8 sheets.

CLASS : 32-F<sub>3</sub> a; 140-A<sub>2</sub>.

157683

Int. Cl. : C 07 c 33/02; C 10 m 1/46, 3/40, 5/24, 7/42.

#### A PROCESS FOR PREPARING PHOSPHOROUS CONTAINING LUBRICANT ADDITIVE.

Applicant : THE LUBRIZOL CORPORATION, 29400 LAKEWOOD BOULEVARD, WICKLIFFE, OHIO 44092, UNITED STATES OF AMERICA.

Inventors : 1. RICHARD WILLIAM JAHNKE, 2. JOSEPH JOHN RYSEK.

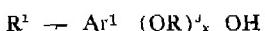
Application No. 1362/Cal/83 filed November 5, 1983.

Division of Application No. 443/Cal/80 dated 16th April, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

A process for preparing a phosphorous containing lubricant additive which comprises reacting at least one alcohol of the formula



with at least one phosphorous halide of the formula

$PZ_3$ , wherein :

$R^1$  is an aliphatic hydrocarbon-based radical having from 4 to 100 carbon atoms;

$R^2$  is an ethylene, trimethylene, lower alkyl-substituted ethylene or lower alkyl-substituted trimethylene radical;

$Ar^1$  is an aromatic radical, and

$Z$  is chlorine or bromine; and

$x$  is an integer from 1 to 15, said reaction being carried out at temperatures in the range of 30° to 150°C with ratio of 1.5 to 5.0 moles of said alcohol to 1 mole of said phosphorous halide.

Compl. Specn. 24 pages.

Drg. 1 sheet.

CLASS : 128-A.

157684

Int. Cl. A 61 1 15/00.

AN IMPROVED FLEXIBLE ABSORBENT BOARD FOR ABSORBING BODY FLUID BASED ON CELLULOSIC FIBRES.

Applicant : PERSONAL PRODUCTS COMPANY, OF VAN LIEW AVENUE, MILLTOWN, NEW JERSEY, UNITED STATES OF AMERICA.

Inventor : 1. STEVEN LEWES KOPOLOW.

Application No. 1556/Cal/83 filed December 20, 1983.

Division of Application No. 973/Cal/80 dated 25th August, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 17 Claims

An improved flexible absorbent board for absorbing body fluid based on cellulosic fibres characterized by the improvement wherein said board comprises cellulosic fibers and particulate hydrocolloidal material such as herein described and which is capable of absorbing a least 10 times its dry weight of water, in a ratio of at least 0.01 gm. of hydrocolloidal material per gram of cellulosic fibers;

said board having a tensile strength of at least 10 Kg/cm<sup>2</sup>, a thickness of at least 0.3 mm, and a Gurley Stiffness of less than 40 grms;

said board having been compacted in a dry state to a density of at least 110% of the density of the uncompacted dry board.

Compl. Specn. 22 pages.

Drg. 3 sheets.

CLASS : 32-A<sub>2</sub>; 32-F<sub>1</sub>.

157685

Int. Cl. C 09 b 47/00.

PROCESS FOR PREPARING WATER-SOLUBLE PHTHALOCYANINE COMPOUNDS.

Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. HARTMUT SPRINGER.

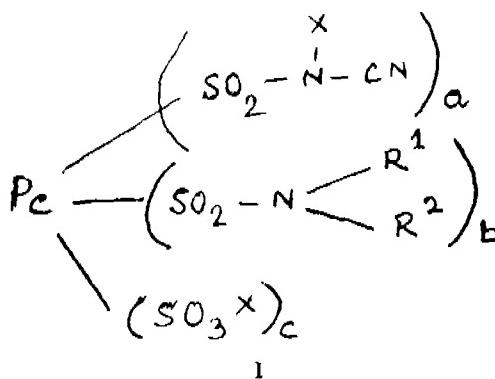
Application No. 122/Cal/84 filed February 21, 1984.

Division of Application No. 943/Cal/80 dated 19th August, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims

A process for the preparation of water-soluble phthalocyanine compound of the general formula (1) of the accompanying drawings



Wherein

$P_c$  is the radical of a metal-free or a metal-complex phthalocyanine, said phthalocyanine radicals are unsubstituted or optionally substituted in the 3-and/or 4-positions of the carbocyclic aromatic rings of the phthalocyanine, and the sulfonyl-cyanamide, sulfonamide and sulfonic acid groups are bound in the 3-and/or 4-positions of the carbocyclic aromatic rings of the phthalocyanines;

$X$  is hydrogen or ammonium or the equivalent of a monovalent or bivalent metal such as of an alkali or alkaline earth metal;

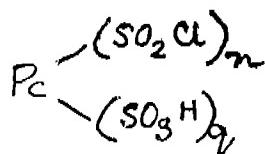
$R^1$  and  $R^2$  each is hydrogen or alkyl of 1 to 4 carbon atoms unsubstituted or substituted or is an aryl radical,

$R^1$  and  $R^2$  being identical or different from one another; or  $R^1$  and  $R^2$  form together with the nitrogen or with another heteroatom and two alkylene of 1 to 4 carbon atoms a heterocyclic ring;

(a) is an integer or fractional number from 1 to 4;

(b) is an integer or fractional number greater than zero up to 3;

(c) is an integer or fractional number from zero to 3; with a, b and c being identical or different from one another, but the sum of (a+b+c) is from 1 to 4 which comprises reacting, simultaneously or in any order a phthalocyanine sulfonic acid chloride of the formula (2) of the drawings



wherein,

$P_c$  has the abovementioned meaning and the sulfochloride groups and sulfo groups are bound in the 3-and/or 4-positions of the carbocyclic aromatic rings of the phthalocyanine, n is a number from 1 to 4 and q is a number from zero to 3, the sum of (n+q) being from 1 to 4, with one or more compounds selected



CLASS : 114-D. 157689

Int. Cl. : C 14 c 3/00.

A PROCESS FOR PRODUCING A LEATHER TANNING AGENT.

Applicant : INSTITUT KHMII I TEKHNOLOGII RED-EIKAH ELEMENTOV I MINERALNOGO SYRYA KOLSKOGO FILALAKA AKADEMI NAUK SSSR., OF APATITY MURMANSKOI OBLASTI, ULITSA FERSMANA 14, USSR.

Inventors : 1. DAVID LAZAREVICH MOTOV.  
2. LJUDMILA PETROVNA TJURKINA.  
3. MARIA MOISEEVNA GODNEVA.  
4. ALEXANDER IVANOVICH METELKIN.  
5. NINA IVANOVNA KOLESNIKOVA.  
6. GALINA GRIGORIEVNA YAKUSH-EVA.

Application No. 581/Cal/84 filed August 21, 1984.

Division of Application No. 197/Cal/82 dated 19th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A method for making a leather tanning agent by separating it from sulfate solutions containing titanium, zirconium aluminium and ammonium sulfate, wherein a zirconium containing solution having 50 to 200 g/l of zirconium in terms of its dioxide is salted out by ammonium sulfate and sulfuric acid in the presence of a titanium containing solution having 80 to 200 g/l of titanium in terms of its dioxide, and a solution of aluminium sulfate having 80 to 130 g/l of aluminium in terms of its oxide, with the end product having the following composition, percentage weight :

zirconium and ammonium sulfate containing 0.001-0.5 per cent $TiO_2$ or $TiO_2$ and $Al_2O_3$	20-50
aluminium and ammonium sulfate containing 0.001-1.0 $TiO_2$ or $TiO_2$ and $ZrO_2$	3-20
titanyl and ammonium sulfate containing 0.001-1.0 per cent of $Al_2O_3$ and/or $ZrO_2$	balance

Compl. Specn. 21 pages.

Drg. Nil.

CLASS : 104 C<sub>6</sub> (a & b). 157690

Int. Cl. : H01j 61/00.

"A FLUORESCENT LAMP".

Applicant : THORN EMI PLC (FORMERLY KNOWN AS THORN EMI LIMITED), A BRITISH COMPANY, OF THORN EMI HOUSE, UPPER SAINT MARTIN'S LANE, LONDON, WC2H 9ED, ENGLAND.

Inventors : JOHN MAURICE CHAPMAN & BASIL ANTONIS.

Application for Patent No. 26/Del/82 filed on 13th Jan. 1982.

Convention date 27th January, 1981/810508/(U.K.) & 31st March, 1981/8109947/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

13 Claims

A fluorescent lamp having a discharge tube disposed substantially in a plane and shaped to define three sides of the boundary of a rectangular zone in the plane, the ends of the discharge tube being re-entrant into the rectangular zone

on the fourth side of the rectangle, a lamp support housing lying substantially centrally within the rectangular zone spaced from the discharge tube and at least one support arm extending between the lamp support housing and the tube providing support for the tube and to locate the tube relative to the lamp support housing, the lamp support housing including means adapted to receive and support the re-entrant ends of the tube.

Compl. Specn. 12 pages.

Drgs. 5 sheets.

CLASS : 37 B & 182 C + D. 157691

Int. Cl. B04 b 1/00, 5/00, B08 b 3/04, C13 f 5/00.

"CONTINUOUSLY OPERATE SUGAR CENTRIFUGAL".

Applicant : BRAUNSCHWEIGISCHE MASCHINENBAUANSTALT AG., A GERMAN COMPANY OF AM ALTEN BAHNHOF 5, 3300 BRAUNSCHWEIG, WEST GERMANY.

Inventor : HELMUT SCHAPER.

Application for Patent No. 71/Del/1982 filed on 29th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

6 Claims

A continuously operable sugar centrifuge comprising a massecuite feeding device and massecuite distributing and accelerating means connected to said feeding device, a rotatably drivably fusto-conical basket which on its inside is provided with a separating screen and is divided by stationary wash liquid nozzles into a washing stage in the narrow basket area and a drying stage in the wider basket area, and separate receiving and discharging means for sugar and syrup, wherein in the area of the drying stage the diameter of the basket increases like a step from the washing stage, the inside of the drying stage is provided with a co-rotatable closed cover spaced from the separating screen and conforming or substantially conforming with the shape of the basket, the small diameter edge of the cover and a sugar overflow edge of the washing stage form a sugar slot therebetween, the width of which is narrower than that of any of the sugar openings provided within the centrifuge, and the cover is in communication with separate receiving and discharging means for wash liquid mist, condensate and sugar lumps.

Compl. Specn. 13 pages.

Drgs. 10 sheets.

CLASS : 71B. 157692

Int. Cl. F 21C, 25/00.

"HEAVY BREAKING GIANT EXCAVATING EQUIPMENT".

Applicant : O & K ORENSTEIN & KOPPEL AKTIENGESELLSCHAFT OF KALR-FUNKE-STRASSE 30, 4600 DORTMUND 1, WEST GERMANY, A GERMAN COMPANY.

Inventors : WOLFGANG LUBRICH & DIETER HOFFMANN.

Application for Patent No. 126/Del/1982 filed on 15th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

6 Claims

A heavy breaking giant excavator for mining operations comprising a main boom having a feed chute at one end thereof and sifting, crushing and transfer means at the other end thereof, conveyor means connected to said boom and extending coaxially therewith from below said feed chute to above said sifting, crushing and transfer means and excavating means pivotally mounted at the feed chute end of said main boom and adapted to pivot from a first position

of excavating and collecting material to be mined to a second position for disposal of said excavated material into said feed chute, said excavating means comprising a dipper stick one end of which is pivotally mounted to the feed chute end of said main boom and having connected at its other end a shovel and grab means adapted to excavate and collect said material to be mined when said dipper stick is in said first position and to deposit said excavated material into said feed chute when said dipper stick pivots to said second position.

Compl. Specn. 7 pages.

Drg. 1 sheet.

CLASS : 82.

157693

Int. Cl. : A 01k 69/00.

**"A DEVICE FOR FISHING FOR TUNNY AND LIKE FISH".**

Applicant : ATELIERS ET CHANTIERS DE LA MANCHE OF 29, RUE DE MARIGNAN, 75008 PARIS, FRANCE, A FRENCH COMPANY AND GROUPEMENT D'ETUDES ET DE RECHERCHES NAVALES OF ANSE DU LIN, 29183 CONCARNEAU, FRANCE, A FRENCH COMPANY.

Inventor : JEAN-PAUL CHARBONNIER AND PAUL REGNIER.

Application for Patent No. 131/Del/1982 filed on 17th February, 1982.

Appropriate office for opposite proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

**14 Claims**

A device for fishing for tunny and like fishes comprising a flexible floating ring the inside of which is covered by an opaque sheet member, a closable net attached to the periphery of the floating ring, a catch means attached to the floating ring for keeping the net folded or released the net unfurled when desired, and guide hoops attached beneath the floating ring in order to guide the net as it unfurls.

Compl. Specn. 12 pages.

Drgs. 3 sheets.

CLASS : 33 A & 56 C.

157694

Int. Cl. : B011-3/06.

**"APPARATUS FOR GROWING A CRYSTALLINE RIBBON-LIKE BODY FROM A MELT".**

Applicant : MOBIL SOLAR ENERGY CORPORATION FORMERLY MOBIL TYCO SOLAR ENERGY CORPORATION OF 16 HICKORY DRIVE, WALTHAM, MASSACHUSETTS, U.S.A., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA.

Inventor : AARON SPENCER TAYLOR & VERNON EDWARD WHITE.

Application for Patent No. 140/Del/1982 filed on 19th February, 1982.

Appropriate office for opposite proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

**9 Claims**

Apparatus for growing a crystalline ribbon-like body from a melt comprising : a furnace enclosure, a crucible disposed within the enclosure for containing a melt, means for applying heat to the melt in the crucible, a capillary die extending into the crucible and arranged for supplying melt to a meniscus formed between the die and a growing crystalline body characterized by a heat shield surround the upper end of the capillary die, said heat shield being pivotably mounted about an axis perpendicular to the vertical axis of the capillary die for angular movement to permit a portion of the shield to be raised or lowered relative to the upper end of the capillary die.

Compl. Specn. 18 pages.

Drgs. 2 sheets.

CLASS : 129G

157695

Int. Cl. : B 23 d 71/02 & B 23 q 3/00.

**A SCRAPER DEVICE.**

Applicant : GEBR. HENNING GmbH, OF DORFSTRASSE 41, D-8045 ISMANING, FEDERAL REPUBLIC OF GERMANY, A COMPANY ORGANIZED UNDER THE LAWS OF FEDERAL REPUBLIC OF GERMANY.

Inventors : KURT HENNING, MANFRED KLEIN & MATTHIAS NUSPL.

Application for Patent No. 157/Del/1982 filed on 25th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

**11 Claims**

A scraper device, particularly for guideways of machine tools as well as for covering boxes of such guideways, comprising a scraper element consisting of a material subject to elastic deformation and provided with a scraper lip and an anchoring extension, and a support element consisting of a rigid material provided with a recess for anchoring said scraper element, whereby said scraper element and said support element are releasably connected by interlocking cascading projections, characterised in that said anchoring extension has a groove therein enabling elastic deformation of said scraper element by compression of said groove to enable insertion of said scraper element into said recess of said support element the elasticity of said scraper element enabling the latter to expand into a form locking fit in said recess said scraper element having a reinforcing rib between said scraper lip and said anchoring extention.

Compl. specn. 16 pages.

Drg. 3 Sheets.

CLASS : 28C

157696

Int. Cl. : B24c 1/00.

**AN IMPROVED LIQUID FUEL FIRED BURNER.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAJU MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor: UMFESH KUMAR JAISWAL, KIRPAL SINGH KAMBO, & VALENTIN LEONIDOVICH GUDZIUK AND PREM NATH BHAMBHI.

Application for Patent No. 159/Del/1982 filed on 26th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

**2 Claims**

An improved liquid fuel fired burner comprising a liquid fuel chamber with primary air and fuel inlets, the primary air inlet fixed at the bottom of the fuel chamber and protruding into the fuel chamber, a sieve formed by perforated pipe covered by a perforated plate on the top, said primary air inlet extending into the space formed by the said pipe and the plate, the sieve is connected to a float means within the liquid fuel chamber, the liquid fuel chamber being superimposed with a combustion chamber so that the fuel from the fuel chamber as a result of bubbling action of the primary air through the said sieve, enters, the said combustion chamber and gets atomised at the combustion space provided therein said combustion chamber being fitted with means for admission of secondary air into the said combustion chamber, the said combustion chamber also having a chimney to evacuate the combustion products and an igniting hole for starting the combustion of fuel therein.

Compl. Specn. 9 pages.

Drg. 6 Sheets.

CLASS : 90I	157697	CLASS : 32 F1 & 32F2(b)	157699		
Int. Cl. : C 03 C 3/00.		Int. Cl. : C 07 d 51/00.			
A SUSPENDED GLASS ENAMEL COMPOSITION, A METHOD OF MANUFACTURING THE SAME AND A GLASS OR CERAMIC ARTICLE COATED THEREWITH.					
Applicant : FERRO CORPORATION, OF ONE ERIE-VIEW PLAZA, CLEVELAND, OHIO 44114, UNITED STATES OF AMERICA.					
Inventors : GEORGE EDWARD DONALDSON AND JOHN FRANCIS VAN NESS.					
Application for Patent No. 227/Del/1982 filed on 18th March, 1982.					
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.					
26 Claims					
A suspended glass enamel composition for providing a decorative esthetic coating on glass or ceramic were comprising an immersion of a conventional glass frit and a conventional nacreous pigment of the kind such as herein described wherein the nacreous pigment has an average particle size between 0-200 microns and a weight within the range of .5 to 25% of the weight of the total weight of the frit and pigment composition and the frit has a weight within the range of 50 to 99.5% of the total weight of the frit and pigment composition, and a vehicle of the kind such as herein described which has a weight within the range of 12 to 45% of the weight of the total glass enamel composition.					
Compl. specn. 20 Pages.					
CLASS : 68D	157698				
Int. Cl. : H 02 j 13/00.					
APPARATUS FOR PROTECTING ELECTRIC POWER TRANSMISSION SYSTEMS AGAINST FAULTS.					
Applicant : THE GENERAL ELECTRIC COMPANY, PLC, A BRITISH COMPANY, OF 1 STANHOPE GATE, LONDON, W1A 1EH, ENGLAND.					
Inventor : YO MING KO & KEITH CORNICK.					
Application for Patent No. 239/Del/1982 filed on 23rd March, 1982.					
Convention date on 3rd April, 1981/8110508/(U.K.).					
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.					
6 Claims					
An apparatus for protecting electric power transmission systems against faults in which the position of a fault occurring in the system with respect to a monitoring point on an electric power transmission line within the system is located by a fault location unit incorporated in the apparatus, the unit comprising signal generating means connected with said line at said monitoring point to produce an output signal in response to the passage of a transient component of a fault signal with respect to the monitoring point, and comparator means connected to the signal generating means responsive to the output from the signal generating means to determine whether the time the transient component has taken to travel from the monitoring point to the fault and back to the monitoring point after reflection at the fault is less than the time that a transient signal would take to travel from the monitoring point to the end of a zone of the system to be protected by the apparatus and back to the monitoring point, thereby to determine whether the fault lies within the zone and to operate the apparatus to protect the zone.					
Compl. specn. 12 pages.					
Drg. 3 Sheets.					
AN IMPROVED PROCESS FOR THE PREPARATION OF 3-AMINO BENZO (6, 7), QUINAZOLIN-4-ONE.					
Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).					
Inventors : VINOD KUMAR SHARMA, PREM KRISHNA SAXENA, CHINTA RAM PRASAD, AMIYA PRASAD BHANDARI, NANDOO MAL KHANNA AND BHOLA NATH DHAWAN.					
Application for Patent No. 252/Del/1982 filed on 25th March 1982.					
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.					
7 Claims					
An improved process for the preparation of 3-amino-benzo-(6,7)-quinazolin-4-one and substituted derivative thereof wherein the substituents are halogen, sulphur, alkyl, nitor or amino radicals and the like in the heterocyclic or aromatic rings of the benzo-(6,7)-quinazolin-4-one nucleus, comprising heating the corresponding 3-amino-2-naphthoic acid with formamide to effect solubilization of all the solids in the reactor mixture and separating the benzo-(6,7)-quinazolin-4-one formed and further treating the same with hydrazine hydrate to form the corresponding 3-amino-benzo-(6, 7)-quinazolin-4-one and separating the same by methods known per se.					
Compl. specn. 6 pages.					
OPPOSITION PROCEEDINGS					
An opposition has been entered by Council of Scientific and Industrial Research, New Delhi to the grant of Patent on application No. 156724 made by Instytut Gornictwa Naftowego I Gazownictwa.					
PRINTED SPECIFICATION PUBLISHED					
A limited number of printed copies of the undernoted specification are available for sale from the Patent Office, Calcutta and its branches at Bombay, Madras and New Delhi at two rupees per copy :—					
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#### PATENTS SEALED

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154415 154491 154525 154527 154534 154752 154775 154871  
154883 154994 155016 155255 155269 155302 155376 155377  
155378 155387 155764

#### AMENDMENT PROCEEDING UNDER SECTION 57

(1)

The amendments proposed by Mitsuitoatsu Chemicals, INC., a Japanese Company, of 2-5, Kasumigaseki 3-chome, Chiyoda-Ku, Tokyo, Japan, in respect of Patent application No. 155235 as advertised in part III, Section 2 of the Gazette of India dated the 16th November, 1985 has been allowed.

(2)

The amendments proposed by Egyesult Izzolampa Es Villamossagi RT., in respect of Patent application No. 154885 as advertised in Part III, Section 2 of the Gazette of India dated the 28th October, 1985 have been allowed.

(3)

The amendments proposed by Unilever PLC in respect of Patent application No. 155108 as advertised in Part III, Section 2 of the Gazette of India dated the 9th November, 1985 have been allowed.

(4)

The amendment proposed by Stamicarbon B.V., of P.O. Box 10, Geleen, the Netherlands, a Dutch Company in respect of Patent application No. 152758 as advertised in Part III, Section 2 of the Gazette of India dated the 30th November 1985 have been allowed.

(5)

The amendments proposed by Simplex GE (Holdings) Limited, a British Company, of P.O. Box 102, Ash Hall, Stoke-on-Trent, England in respect of Patent application No. 156663 as advertisement in Part III, Section 2 of the Gazette of India dated the 30th November, 1985 has been allowed.

(6)

The amendment proposed by GOULD INC, a Corporation organised and existing under the laws of the State of Delaware, United States of America, of 10, Gould Centre Rolling Meadows, Illinois-6008, United States of America, formerly of E-1200 First National Bank Building, St Paul, Minnesota, United States of America in respect of Patent application No. 152961 as advertised in Part III, Section 2 of the Gazette of India dated the 30th November, 1985 have been allowed.

## RENEWAL FEES PAID

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 139975 139985 139986 139994 140072 150654 140953 141083  
 141302 141324 141416 141727 141974 142008 142222 142348  
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 147879 147919 147962 147991 148037 148152 148321 148488  
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 152138 152165 152181 152326 152329 152330 152378 152414  
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 153132 153349 153378 153403 153551 153771 153775 153807  
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 154684 154700 154724 154725 154727 154840 154864 154903  
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 155084 155476 155655 155671 155961 155984 156275 156408  
 156522.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 156511, Satish Chandra Lakhota, 74 Park Street, Calcutta-700 017, West Bengal, India, an Indian National. "LP Gas Weigher". 8th January, 1986.

Class 1. No. 156355. Piaggio & C.S.P.A., of Via A Cecchi, 6-Genova, Italy, a company organized under the laws of the Italian Republic. "a Motor Scooter". 25th November, 1985.

Class 1. No. 156059. Anil Bhalchandra Phadke, An Indian Citizen, Proprietor of : Shree Akshar Udyog, 11, Ganeshbaug Saha, Gruharachana Sanstha, Azadwadi, Kothrud, Pune-411 029, Maharashtra, India. "Devnagri Type Founts". 19th September, 1985.

Class 1. No. 156087. Metco Inc., 1101 Prospect Avenue, Westbury, New York, 11590 (of U.S. Nationality). "Arc Spray Control Console". 30th September, 1985.

Class 1. No. 156088. Metco Inc., 1101 Prospect Avenue, Westbury, New York, 11590 (of U.S. Nationality) "Arc Spray Gun". 30th September, 1985.

Class 1. Nos. 156406, 156407. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400 004, Maharashtra, India, an Indian Partnership Firm. "Key Chain". 6th December, 1985.

Class 3. No. 156616. V.I.P. Industries Limited of V.I.P. House, 88C, Old Prabhadevi Road, Bombay-400 025, Maharashtra India, an Indian Company. "Briefcase". 7th February, 1986.

Class 3. Nos. 156343, 156344, 156345, 156346. Sandip Kumar Mahansaria, an Indian national, of 8 Camac Street, 8th Floor, Space 15, Calcutta-700 017, State of West Bengal, India. "Ball Point Pen". 22nd November, 1985.

Class 3. No. 156129. The Gillette Company a Corporation Organized and existing under the laws of the State of Delaware, United States of America, of Prudential Tower Building, Boston, Massachusetts-02199, United States of America. "a Razor Cartridge". Reciprocity date 17th April, 1985. (U.K.).

Class 3. No. 156208. Midas Auto Accessories, 49-A/B, Government Industrial Estate, Charkop, Kandivli West, Bombay-400 067, Maharashtra, India, an Indian Partnership Firm. "Sheel Cover". 1st November, 1985.

Class 3. No. 156209. Midas Auto Accessories, 49-A/B, Government Industrial Estate, Charkop, Kandivli West, Bombay-400 067, Maharashtra, India, an Indian Partnership Firm. "Signal Light Cover". 1st November, 1985.

Class 3. No. 156094. Colgate Palmolive Company, a Corporation organized and existing under the laws of the State of Delaware, U.S.A., of 300 Park Avenue, New York, New York 10022, United States of America. "a Bottle". 3rd October, 1985.

Class 3. No. 156032. Geep Industrial Syndicate Limited (formerly known as Geep Flashlight Industries Limited), Manufacturers, of 28, South Road, Allahabad, India, an Indian Company. "A Torch". 10th September, 1985.

Class 3. No. 156033. Geep Industrial Syndicate Limited (formerly known as Geep Flashlight Industries Limited), Manufacturers, of 28, South Road, Allahabad, India, an Indian Company. "a Pocket Torch". 10th September, 1985.

Class 3. No. 156111. Shree Krishnakeshav Laboratories Limited, an Indian Company of Amraiwadi Road, Ahmedabad-380 008, Gujarat, India. "Stopper for bottles". 8th October, 1985.

**Class 4.** No. 156093. Colgate-Palmolive Company, a Corporation organized and existing under the laws of the State of Delaware, U.S.A., of 300 Park Avenue, New York 10022, United States of America. "a Bottle". 3rd October, 1985.

**Class 4.** No. 156219. Jagatjit Industries Limited, A Company incorporated under the Companies Act 54, Mahatma Gandhi Road, Lajpat Nagar-III, New Delhi-110024. India. An Indian Company. "Bottle". 7th November, 1985.

**Class 12.** No. 156195. Enrique Bernat Fontlladosa, a citizen of the Kingdom of Spain, Calle Paris 184, Barcelona, Spain. "Lollipop". Reciprocity 17th September, 1985 (U.K.).

*Extn. of Copyright for the Second period of five years.*

Nos. 150344, 153018, 155414 . . . . . Class 1.

Nos. 150368, 150350, 150371, 155703,

154817 . . . . . Class 3.

No. 155363. . . . . Class 12.

*Extn. of Copyright for the Third period of five years.*

Nos. 143988, 153018, 155414. . . . . Class 1.

Nos. 144344, 155703, 154817. . . . . Class 3.

No. 155363. . . . . Class 12.

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and Trade Marks